The DX Bulletin

• *America's Oldest Weekly Amateur Radio Publication* •

Issue 369 - Jan. 9, 1987

DXpedition News

Nauru - C2 FKØAT is now active from Nauru (OC-31). He plans to stay until mid-month, and then move on to **Vanuatu** - **YJ** (OC-35) and **Wallis** - **FW** (OC-54) for a week each. He's been worked on the East Coast around 1200Z at 7005. QSL home call. Sunrise 1900Z, sunset 0700Z.

Glorioso - **FR/G** French-speaking Girard FH4ED has been active **/FR/G** (AF-11) since Dec. 22. He should be there until Jan. 15. Watch 14114 15-1800Z. QSL Box 44, Dzaoudzi, Mayotte F-97160 (via France).

Heard Is. - **VKØ** Frank **VKØDA** (AN-03) continues to join Jim Smith's 14220 net about 0600Z, and PHO's at 14226 at 1700Z, until the end of the month. He can also be worked free-style around the same frequencies. QSL VK9NS.

Seychelles - **S7** Ian G4LJF says he will operate from S79 (AF-24) now until Jan. 20, concentrating on the low bands. He has operating permission, but callsign is unknown at press time. QSL home call. Sunrise 0415, sunset 1540Z.

Ogasawara - **JD** KA2PF should be on from Iwo Jima (AS-30) soon. He's shooting for a 10-day operation starting mid-month. He'll sign **KA2IJ** most of the time (QSL W6CNA) and also **7J1ADJ** to work Japanese DXers (QSL KA2PF). Sunrise 2120, sunset 0800Z.

Zaire - **9Q** Tom Gregory N4NW finally got his requested call: **9Q5NW**. Tom will be active on all bands, including contests. QSL to Box 368, Stockbridge GA 30281 with SASE or IRCs.

Johnston Is. - **KH3** The Coast Guard Commander Bill KN4BPL joins **KL7LF/KH3** in passing out Johnston (OC-23) QSOs. He's been logged in the PHO net on 14226 at 2100, and on 75 meters around 3806 12-1300Z. He'll take skeds, too. QSL WB4MJH. Sunrise 1745, sunset 0500Z.

Correction The prefix for Peter I Island is **3Y**, not 3C as your flu-ridden editor typoed two issues in a row! Sorry.

First DXCC Golden Jubilee? Jay W6GO reports that he logged 1987 country #100 at 0042Z on Jan. 3rd! Can anyone beat 48 hrs, 42 mins for DXCC in 1987? Contact TDXB!

Colvins The Yasme DXpedition appears to have stalled on licensing difficulties. Lloyd and Iris await good news on their operating permission requests before moving on to the next spot. S79, 8Q7, or FR/G are all mentioned, but nothing positive yet.

Shortly Noted

- **St. Vincent** - **J8** K1COW will operate /J87 (NA-24) Jan. 19-27. QSL home call.
- **Crozet Is.** - **FT** FT8WA (AF-08) joins the INDXA net 14236 18-2000Z.
- **Cocos Is** - **TI9** TI2KD is active as **TI9W** (NA-12) until Jan. 11. QSL home call
- **Chad** - **TT8** TT8AQ has been in the INDXA net 14236 at 2100Z.
- **Mali** - **TZ** TZ6FIC likes 14022 at 18-2000Z.
- **Brunei** - **V85** V85HG 14190 2330-0030Z.

Low Band News

- **Faroes** - OY OY9JD hangs out on 3797 kHz.
- **Tanzania** - 5H 5H3ZO is very active on 14025 17-2000Z, and 3505 at 0300Z.
- **Antarctica** Bob KD7P promises low-band activity as /KC4.
- **Chagos** - **VQ9** VQ9QM (AF-06) likes 3503 after 2000Z, and again at 1230Z. Also 7006 around 0100Z, as well as 20 meters.
- **Indonesia** - **YB** YBØWR has been active on 3798 21-2200Z.
- **Ascension Is.** - **ZD8** ZD8CW (AF-03) is on 3504 around 03-0400Z.
- **Wake Is.** - KH9 (OC-53) KH9AC on 1827 07-0800Z.
- **CQ Zone 2 on 160 meters** Since CQ magazine announced their 160 Meter WAZ award, there has been more interest in this activity. Look for **VE2EDK** and **VE2EDL** from Zone 2 on 1829-33 kHz.

— **Chod Harris VP2ML Editor**

Copyright *The DX Bulletin*. ***The DX Bulletin*** **(ISSN 0279-8077) is published fifty times per year at 816 Fourth Street, Suite 1001, Santa Rosa, CA 95404 (707) 523-1001. One-year subscription rates are: $28 Second Class Mail, $35 First Class Mail, US $50 Foreign Airmail. Second-class postage paid at Santa Rosa, CA. POSTMASTER: Send address changes to *The DX Bulletin*, 816 Fourth Street, Suite 1001, Santa Rosa, CA 95404.**

PROPAGATION

Forecast and Historical Data

Day January	Forecast	27 Days Before Date	Flux	A	K	54 Days Before Date	Flux	A	K
9	Low Nor	12/13	74	05/14	2	11/16	77	13/17	3
10	High Nor	12/14	74	13/26	1	11/17	76	09/13	2
11	High Nor	12/15	73	05/06	1	11/18	75	05/08	2
12	High Nor	12/16	73	10/13	3	11/19	74	02/07	2
13	High Nor	12/17	74	04/06	1	11/20	74	03/08	1
14	High Nor	12/18	74	03/06	0	11/21	76	04/07	2
15	High Nor	12/19	73	05/07	1	11/22	76	03/07	1
16	High Nor	12/20	73	07/08	3	11/23	78	02/15	2
17	High Nor	12/21	73	10/11	3	11/24	79	17/45	3
18	High Nor	12/22	74	12/16	4	11/25	78	31/92	6

Thanks N4XX and KH6BZF.

Propagation Watch

The new year is starting off with a propagation bang: a long string of High Normal forecasts! Solar flux should stay above 70 for the next couple of weeks, and absorption is expected to remain low. Look for longer 20 meter openings, and keep a close eye on **15 meters.** Jan. 11-17 should be the best DX days, with single-digit A-indices forecast.

Sunspot counts remain low, but the few spots that dot the sun are all Cycle 22 types. Most of the spots that showed during the last few months have been new-cycle ones, strongly suggesting that we are at or near the bottom of the cycle. (See below.)

The Bottom of the Sunspot Cycle

A Special Report by Chod Harris VP2ML

The recent rash of Cycle 22 sunspots has renewed speculation that we have passed the bottom of Cycle 21, and are now moving up in the new cycle. We won't know for sure for many months, but the date of the bottom of the sunspot cycle is of intense interest to DXers everywhere.

The actual bottom of the cycle is defined as the time of lowest smoothed sunspot number (SSN). SSN is based on a 13-month average of sunspot numbers, to even out the many peaks and valleys in solar activity (such as the solar fireworks in late-Oct.) The SSN for May 1986, for example, includes data from Nov. 1985 through Nov. 1986, and has only recently been estimated as 14.5. So we won't know the SSN for Dec. 1986 until mid-1987. Even then we can't be sure that sunspot numbers won't continue to decrease into 1987.

Several pieces of evidence suggest that we have already passed the minimum SSN, including the regular appearance of high-latitude, reverse-polarity spots, such as we have had since Oct. Other factors suggest that we are not quite there yet.

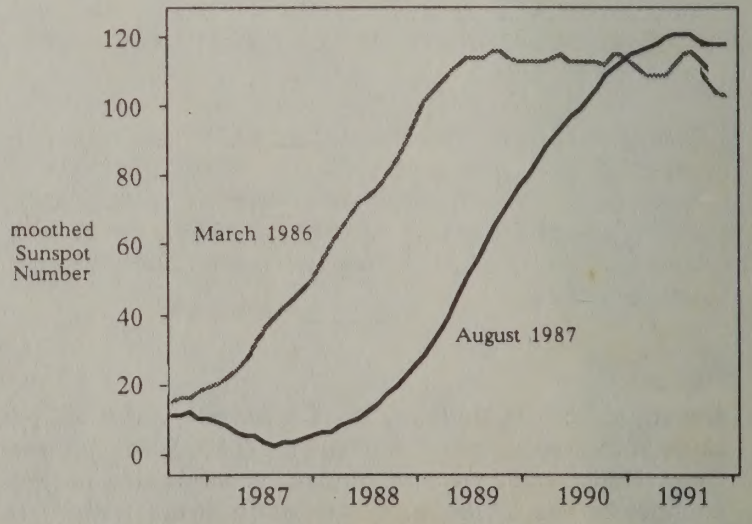
Why is the solar minimum of such interest to DXers? The first reason is, of course, that solar flux (and long-haul propagation) will increase rather quickly after the minimum, giving us more DX. Second, the date of the minimum is an important factor in predicting the size and duration of the next sunspot cycle.

The graph at the right uses a well-respected forecasting method to contrast sunspot numbers over the next few years, based on two different dates for the solar minimum: March 1986, or August 1987. While both predictions suggest that we'll have better propagation by the end of this year, the earlier date will give us much more DX sooner!

Most of the numerous long-range propagation forecasting methods predict an average cycle for #22. Even-numbered cycles tend to have lower peak sunspot numbers than odd cycles, but compensate by having more years of above-average propagation. These forecasts tend to agree on a peak SSN of about 120. SSN should break 100 about three years after the solar minimum, or some time between early-1989 and mid-1990, and then remain above 100 for several years, giving us plenty of 10 and 15 meter DXcitement.

How accurate are these predictions? The DX Bulletin's propagation expert Ted Cohen N4XX and co-author George Jacobs W3ASK were so far wrong on their predictions for Cycle 21 that they had to completely rewrite the chapter on sunspot cycle forecasts for the second edition of their book, "The Shortwave Propagation Handbook." Since we really have no idea what drives these cycles, predictions are based on complex statistical analyses which all assume Cycle 22 will be an mixture of previous cycles. We'll know better in 1991!

Predicted Sunspot Number for Two Times of Solar Minimum.



QSL INFO

QSL Help Wanted

- **ET3PG** 1980 for K3ZUF. Neither direct nor bureau has worked.

QSL Help Offered

- **VU2WTR** was JA1WTR, at the Japanese Embassy.
- **4N2AA** is via YU2NFJ
- **C6ADR** for 1986 ARRL CW DX test only, via N1EE
- and **I4ALU/9Y4** is via I4ALU

DX Call	QTH Information
CE0FFD	P O Box 4, Easter Island, Chile
FY4EE	P O Box 999, Cayenne, French Guiana
SU1ER	P O Box 78, Heliopolis, Cairo 11341, Eqypt
SV5ADM	Dimitris, P O Box 464, Rhodes GR-85100, Greece
TA2G	P O Box 14, EMEK-Ankara, Turkey
TA4A	P O Box 88, Aydin, Turkey
5H3RB	P O Box 9534, Dar es Salaam, Tanzania
9Q5NW	P O Box 368, Stockbridge GA 30281

DX CALL	QSL TO	DX CALL	QSL TO
A35RY	OH1RY	VP8BGX	G4OYY
CU3AA	W4PKM	VU2ASY/3X	VE2WA
FO5BI	F6HSI	V31GS	W3UM
HG19HB	HA5WA	WBØNAA/YN1	NØBKL
HI8LC	W2KF	XU1SS	JA1HQG
HJ6MLV	HK6IID	YN3EO	Y32KE
HKØBKX	WB9NUL	YY5A	YV5ANT
JTØDJT	I8YGZ	ZK1TB	W7TB
KC4USV	KF4UU	4S7NMR	KZ8Y
KP2A	N6CW	5H3ZO	KØLST
SU1SX	JH1DUY	5X5GK	DJ5RT
TT8AQ	F6EYS	9H1FBS	N5APW
UZ3TYL/UF	UA3TT		
VP8BGO	GØBAU(86CB)		

The DX Bulletin DXCC Golden Jubilee Competition

The DX Bulletin will award a trophy to the reader with the earliest time/date in the ARRL Golden Jubilee DXCC award. Send the **date and time of your QSO with your 100th country** to The DX Bulletin. We'll publish the calls of the first few "winners" early in 1987. Application forms for the ARRL Golden Jubilee Award are available for an SASE from ARRL Hq.

BANDPASS

Reports Wanted, Especially RTTY, 30 meters

RTTY				
4X6KF	14090	1345	2	MA
7J1AEE P	14101	2300	1	MA
9H4C	14087	1500	3	MA
9Q5FF	14092	1750	3	MA
9X5SP	14082	2110	1	MA
CO2BB	14089	1450	26	MA
CT3BX	14086	1430	2	MA
ISOAWP	14091	1420	2	MA
KH6AKW	21088	2010	24	MA
KP2N	14085	1315	2	MA
PZ1AG	14094	1805	23	MA
SU1ER	14082	1245	25	MA
UO5OK	14083	1320	27	MA
VU2IJ	14090	1350	25	MA
160 MTRS				
4X4NJ	1832	0430	26	MA
4X4NJ	1830	0333	3	FL
7P8BE	1827	0322	26	MA
7S6FRO	1836	0330	21	MI
7S6FRO	1836	0423	21	WA
7X5AB	1840	0635	25	MA
7X5AB	1840	0515	27	MA
7X5AB	1844	0600	26	MA
FG5AM	1832	0225	20	CA
FG5AM	1829	0627	27	MA
GD4BEG	1835	0610	28	MI
GD4BEG	1826	0455	21	WA
GI3OQR	1845	0350	20	RI
GI4GPC	1836	0805	25	MA
HB9CXZ	1845	0714	24	RI
HC1BI	1832	0215	26	MA
HK0HEU	1838	0345	26	MA
HK0HEU	1844	0705	27	WA
KC6JC	1839	0930	23	WA
KH6CC	1825	0524	28	MI
KH6CC	1827	0335	3	FL
KH6CC	1827	0545	27	MA
KL7Y	1830	0359	3	FL
LU5EBZ	1841	0724	20	RI
NP4A	1845	0730	24	RI
OE5KE	1826	0620	27	MA
OH1XX	1830	0558	24	MA
OH1XX	1832	0435	28	MI
OH1XX	1823	0327	3	FL
OH2VY	1834	0602	23	RI
OL4BNJ	1831	0517	24	MA
ON4UN	1832	0526	3	FL
OZ3Y	1832	2159	21	RI
PY1RO	1833	0729	21	WA
PZ1AC	1832	2350	24	MA
PZ1DT	1829	0435	28	FL
RQ2GG	1839	0612	28	MA
RZ1OWA	1833	0622	23	MA
RZ1OWA	1835	0340	30	MA
SP3BQD	1835	0503	28	MI
TF3KG	1833	0522	28	MA
TI2OY	1833	0413	27	MO
TI2OY	1834	0420	24	MA
UA1OT	1834	0755	30	CA
UA9K/ UA9LAK	1834	0908	20	WA
UR1RGN	1838	0316	3	FL
UR1RYY	1838	0620	23	MA
VE2EDK	1833	2236	26	MA
VK9NS	1844	0746	27	WA
XE1VIC	1845	0730	24	RI
Y25ZO/A	1838	0519	24	MA
YN3EO	1833	0505	24	MA
YV1NX	1831	0337	3	FL
ZD7CW	1860	2305	20	MA
ZL2BT	1839	0830	23	RI
80 MTRS				
3B8CF	3502	0157	23	MA
4S7CR	3508	2251	23	NH
5H3ZO	3506	0351	29	MA
7P8BE	3798	0402	27	MA
7P8BE	3798	0356	27	CA
9H1FG	3800	0250	28	MA
C6ANX	3796	0302	28	MA
CN2AQ	3775	0158	29	MA
D68QL	3500	0320	28	MA
D68QL	3501	0317	29	FL
DX9C	3795	1510	26	CA
EA9IE	3800	0718	28	IL
EI8H	3796	0834	28	WY
GDOBCN	3798	0004	22	MA
GD4IOM	3798	2106	27	MA
GI4VIV	3504	0045	26	MO
GJ4YBM	3798	0004	22	MA
HI6ORCD	3790	0538	28	IL
HKOBKX	3506	0038	26	MO
JAOCWZ	3507	1225	26	NH
KC6JC	3806	0720	28	CA
KC6JC	3802	0701	26	WY
KH3/ KN4BPL	3806	1250	25	IL
KH8/ K6JOJ	3506	1049	31	MA
LX1AF	3503	2232	29	NH
ON4UN	3500	0558	27	WY
OY9JD	3799	0545	28	IL
OY9JD	3799	0045	27	MA
OY9JD	3798	0203	22	MA
OY9JD	3795	2106	26	MA
OZ8BV	3797	0003	13	CT
PZ1AP	3502	0035	18	CT
PZ1DV	3502	0506	26	MO
TA2D	3524	2325	29	NH
TA4A	3799	0300	24	MA
TF1PS	3786	0305	21	MA
TF3KG	3504	1050	29	MA
TF6JZ	3502	2250	29	NH
TI4SU	3502	0355	24	CA
TI9W	3796	0227	29	MA
TT8AQ	3502	2135	20	MA
UAOFO	3787	2116	27	MA
UA9XQ	3507	1125	28	NH
UC2OCB	3506	0411	27	MO
UF6FBI	3513	2248	29	NH
UF6FHU	3516	0325	29	FL
UH8DC	3501	0248	28	MA
UO5OCE	3502	0436	27	MA
UQ1GWW	3501	0113	21	MA
UR2RE	3508	2117	26	MA
UR2RKQ	3503	2343	27	MA
UV1OO	3502	1145	30	MA
VK9NS	3507	1140	28	NH
VU2BX	3503	2230	25	NH
YN3EO	3503	0406	30	FL
ZS3E	3795	0434	26	CA
ZS5BK	3508	0327	28	FL
40 MTRS				
3B8CF	7005	0218	29	WY
3B8CF	7006	0227	29	FL
4S7NE	7004	0124	25	CA
9J2WS	7007	1951	24	MA
9M2AX	7007	2352	31	FL
BV2B	7010	1255	24	PA
C21NI	7005	1110	30	MA
C21NI	7004	1203	30	FL
C21NI	7005	1146	30	CA
C6A/NV4Y	7010	0220	3	FL
CM5OM	7027	2247	28	GA
CO5HL	7006	0259	24	GA
CP8AK	7003	0110	29	FL
CT3DJ	7007	0025	30	FL
FK25DD	7004	0805	28	WY
FT8WA	7014	1604	25	CA
HI8LC	7012	0222	30	FL
HKOBKX	7007	1253	30	FL
HKOBKX	7008	0330	21	PA
KC6JC	7071	0725	26	WY
OH8SR	7005	1231	30	CA
TA3D	7005	2159	31	FL
TG9YV	7003	0011	29	FL
UI8OAA	7004	0145	25	CA
UR1RWN	7007	1309	25	IL
UZ6LZB *	7005	1402	27	WY
UZ9AWG	7002	0545	27	IL
UZ9AYA	7001	1337	27	IL
VK6RZ *	7013	2120	28	FL
VP2MDY	7027	0010	1	FL
VS6HF	7002	1543	24	CA
VU2BX	7003	1157	30	FL
VU2DX	7003	0157	3	FL
VU2DX *	7004	1547	31	CA
VU2DX *	7003	0107	25	CA
VU2TEC	7003	0220	28	PA
VU2TEC	7008	1234	30	FL
YB2BNJ	7015	1237	30	FL
YN3EO	7001	0214	26	WY
30 MTRS				
9V1TL	10101	1700	3	CA
GI3FJX	10102	1540	27	MA
ZS6BMS	10103	0430	3	CA
20 MTRS				
3B8CF	14226	1822	22	MN
3D6BP	14160	2108	17	KY
5H3RB	14205	1945	20	MD
5H3RB	14160	1725	26	CA
5H3ZO	14028	1729	31	CA
5V7BA	14160	2237	23	MN
5V7SA	14160	2245	18	MN
5X5GK	14183	1955	19	MN
5Z4DU	14183	1900	27	PA
5Z4JB	14183	1840	26	PA
6W1BL	14115	1830	23	PA
7P8BE	14183	1750	27	PA
7P8DP	14207	2045	21	PA
7S4FRO	14028	1310	23	GA
7S6FRO	14032	1510	20	CT
A22BJ	14220	2045	25	PA
A82AY	14236	2320	22	PA
A82EM	14160	2325	18	CA
AP2SQ	14172	1421	21	MD
BV2B	14236	0046	2	CA
BY5GA	14220	0030	2	CA
BY9GA	14226	0020	23	CA
C21NI *	14236	2040	27	PA
D68QL	14013	1618	28	FL
FKOAW *	14178	2130	27	PA
FR/G/ FH4ED	14115	1530	23	PA
FR/G/ FH4ED	14114	1815	22	PA
GJ3EML	14011	1445	26	MA
HH2DF	14227	1741	28	CA
HK0HEU	14226	1652	24	CA
HV3SJ	14191	1543	28	CA
J88AQ	14160	2310	18	CA
JW5E	14209	1750	28	CA
JW6WDA	14162	2124	21	MD
KC4USR	14346	0200	28	PA
KC4USV	14243	0659	23	KY
KC6HA	14226	2334	19	MN
KC6JC	14226	2050	24	PA
KC6JC	14227	2323	23	CA
KG4XF	14187	2118	3	CA
KHOAC	14226	2130	26	PA
KHOAC	14226	0115	23	CA
KHOAC	14225	2349	3	CA
KH3/ KN4BKL	14226	2134	22	MD
KH3/ KN4BPL	14226	2130	26	PA
KH9AC	14226	2100	24	PA
KH9AC	14226	2343	24	CA
OD5SM	14183	1800	16	PA
OX3BV	14020	2115	21	PA
S79WHW	14272	1900	26	PA
S79WHW	14176	1839	23	RI
S79WHW	14028	1840	20	IN
T3OAC	14226	2045	24	PA
TA2Q	14005	1331	29	FL
TF3SA	14003	2220	21	PA
TI9W	14224	1845	30	MD
TR8AHO	14226	2103	23	CA
TR8CA	14162	2141	21	MN
TU2CV	14007	2050	20	PA
VU2GI *	14214	0221	27	CA
XP1AB	14196	2156	17	KY
YI1BGD	14192	1402	20	MD
Z21BA	14195	2040	23	CA
Z21BA	14199	1930	27	PA
ZD7BJ	14183	1900	24	PA
ZD7BJ	14160	2340	22	PA
ZD7BJ	14159	2203	25	MD
ZD9CA	14183	1902	20	MN
15 MTRS				
3D6BW	21223	1549	20	MD
5H3RB	21380	1734	25	KY
5X5GK	21280	1410	20	MD
7P8BE	21242	1502	26	MA
A81AG	21315	1611	26	MD
CT3BM	21281	1645	24	IL
CT3EU	21235	1745	25	KY
CU2QN	21026	1441	3	FL
D68QL	21204	1409	20	MD
D68QL	21007	1546	30	FL
FR5DX	21293	1527	30	MD
FT8WA	21016	1650	21	PA
HK0HEU	21212	2020	26	PA
KC4USR	21212	2020	26	PA
TA3C	21214	1415	20	MD
VP8PTG	21025	1521	30	FL
ZS3Z	21017	1536	30	FL

Key to Bandpass: Callsign, frequency, UTC, day of month, state. * = long path, P = Packet. All 'portable' calls are listed with country of operation first, regardless of format used on the air.

The DX Bulletin
816 Fourth Street, Suite 1001
Santa Rosa, CA 95404
U.S.A.

FIRST CLASS MAIL

First Class
U.S. Postage Paid
Santa Rosa, CA
Permit No. 550

CALENDAR

Issue 369 Jan. 9, 1987

(Changes and hot info in **boldface**)

Ascension - ZD8	**ZD8CW 3504 03-0400Z I369**
Aves - YVØ	4MØARV Mar. 16-22 I364
Balearic Is. EA6	G6ZY/EA6 7002 2300Z I368
Barbados - 8P	8P9AY Jan 8-19 I367
Cape Verde - D4	D44BC now on RTTY 1600Z
Chad - TT8	TT8AQ **14236 at 2100Z**
Chagos - VQ9	VQ9QM **3503 2000Z, 7006 0100Z**
Chatham - ZL7	ZL7DE 14090 0500 daily
China - BY	BY9GA 14227 0000Z
Cocos Is. - TI9	**TI9W until Jan 11 I369**
Comoros - D68	D68WS 14177 1930Z I365
	D68QL now I367
Crozet - FT8W	FT8WA **14236 18-2000Z**
Eq. Guinea - 3C	3C1MB 14160 2200Z I368
Faroes - OY	**OY9JD 3797 kHz. I369**
Franz Josef	UA1OT 1833 00-0300Z I368
Glorioso - FR/G	**FH4ED until Jan 15 I369**
Gough Is. - ZD9	ZD9CL now there I362,3
Guantanamo KG	KG4XO 1834 02-0300Z I363
Heard Is. -VKØ	**VKØDA 14220 0600Z I369**
Hong Kong VS6	VS6DO 1825 11-1300Z
India - VU	0130-0230 20/40M + 1200Z
Johnston Is KH3	**KN4BPL/KH3 3806 12-1300**
Kerguelen - FT	FT8XD **delayed**
Kermadec - ZL8	ZL8HV now there I361
Maldives - 8Q7	8Q7CH 14004 at 1700Z
	WA6VNR in March I366
Marion Is. ZS2	**ZS8MI Jan 6 Rumor I368**
Marquarie - VKØ	VKØGC and VKØSJ now I365
Marshall - KX6	KX6DS at 7006 after 0930Z
Mauritius - 3B8	3B8CF 7025 at 0130Z I362
Mellish - VKØ	VKØMW Aug. I367
Minami Tori. JD	7J1ACH 1911 1230Z I356
Nauru - C2	**C21NI by FKØAT 7005 1200Z**
Ogasawara - JD	**KA2IJ/7J1ADJ mid-Jan I369**
Peter 1 - 3Y	**3Y2GV, 3Y1EE Feb 24, I368**
Reunion - FR	**FR4EB 14183 at 1900Z**
St. Martin - FS	FG/TK5BL/FS Jan 4-Feb 1
	FS5IPA Feb 26-Mar 12 I367
St. Vincent J8	K1COW/J87 Jan 19-27 I367
Seychelles S79	**G4LJF until Jan 20 I369**
Sierra Leone	9L1IS 14160/183 20-2200Z
Sri Lanka - 4S7	DK1ZN/4S7, 4S7YLR I367
So. Shetlands	CXØXY early Feb. I363
	LU6UO/Z Jan-Mar '87 I365
Spratly - 1S	by DU1CK end of Jan I364
Sudan - ST	by PAØGAM in March. I367
Tanzania - 5H	5H3ZO **14027 17-1800Z**
	3505 at 0300Z I369
Tromelin - FR/T	FR5AI/T Mar 1987 I365
Vanuatu - YJ	**by FKØAT Jan 15-22 I369**
Vienna - 4U1VIC	14025-30 1130-1200Z
Wake Is. - KH9	KH9AC 14309 0330Z
	1827 at 07-0800Z
Wallis - FW	**by FKØAT late-Jan. I369**
Zaire - 9Q5	**9Q5NW now active I369**
Zimbabwe - Z2	Z23JO 7005 at 0400Z

Contests and DX Events

73 Mag 15/20 Meter SSB Jan 10-11
Hungary DX CW Jan 17-18
73 Mag 160 Meter SSB Jan 17-18
CQWW 160 Meter CW Jan 23-25
France DX CW Jan 24-25
73 Mag 40 and 75 SSB Jan 24-25

This issue of The DX Bulletin is brought to you through the kindness of the following **valued contributors**: K1MEM, KA1SR, N4XX, KH6BZF, W6TFO, W1NH, NCDXC, W6GO, WW4Q, W1AX, KA1XN, KM9J, INSIDE DX, LIDXB, KT1N, K4BAI, W4VQ, K6IR, W7AWA, NS7Z, W9TKV, KJ4VH, AE1H, KR1G, K1ST, K1BV, K8GG, K3RR, WG6H, K6ANP, NW6P, KØCVD, WØRJU, W6BJI. Many Thanks!